

## B027CH0 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 12.0 to 2009 112.0	-9.35818 ± 0.05610	-0.09631	1.0
2009 36.0 to 2009 136.0	-9.38396 ± 0.05557	-0.12209	1.3
2009 60.0 to 2009 160.0	-9.35145 ± 0.04705	-0.08958	1.0
2009 84.0 to 2009 184.0	-9.19756 ± 0.04848	0.06431	-0.7
2009 108.0 to 2009 208.0	-9.21997 ± 0.05365	0.04190	-0.5
2009 132.0 to 2009 232.0	-9.12193 ± 0.05467	0.13994	-1.5
2009 156.0 to 2009 256.0	-9.22516 ± 0.05389	0.03671	-0.4
2009 180.0 to 2009 280.0	-9.26187 ± 0.05715	0.00000	-0.0
2009 204.0 to 2009 304.0	-9.38103 ± 0.04926	-0.11916	1.3
2009 228.0 to 2009 328.0	-9.55165 ± 0.04790	-0.28978	3.1
2009 252.0 to 2009 352.0	-9.41389 ± 0.04948	-0.15202	1.6
2009 286.0 to 2010 21.0	-9.39423 ± 0.05419	-0.13236	1.4
2009 320.0 to 2010 55.0	-9.35832 ± 0.05393	-0.09645	1.0
2009 354.0 to 2010 89.0	-9.33529 ± 0.05020	-0.07342	0.8
2010 23.0 to 2010 123.0	-9.34126 ± 0.04821	-0.07939	0.9
2010 57.0 to 2010 157.0	-9.26496 ± 0.06213	-0.00309	0.0
2010 91.0 to 2010 191.0	-9.20502 ± 0.07019	0.05685	-0.6
2010 125.0 to 2010 225.0	-8.93109 ± 0.10236	0.33078	-3.6
2010 159.0 to 2010 259.0	-8.87087 ± 0.07010	0.39100	-4.2
2010 193.0 to 2010 293.0	-9.05648 ± 0.06712	0.20539	-2.2
2010 227.0 to 2010 327.0	-9.35710 ± 0.06919	-0.09523	1.0
2010 261.0 to 2010 361.0	-9.34414 ± 0.05965	-0.08227	0.9
2010 295.0 to 2011 30.0	-9.29857 ± 0.07325	-0.03670	0.4
2010 329.0 to 2011 64.0	-9.21677 ± 0.06059	0.04510	-0.5
2010 363.0 to 2011 98.0	-9.29436 ± 0.06380	-0.03249	0.4
2011 32.0 to 2011 132.0	-9.30810 ± 0.07488	-0.04623	0.5
2011 66.0 to 2011 166.0	-9.20902 ± 0.08626	0.05285	-0.6
2011 100.0 to 2011 200.0	-9.01291 ± 0.10697	0.24896	-2.7
2011 134.0 to 2011 234.0	-8.78055 ± 0.25923	0.48132	-5.2
2011 168.0 to 2011 268.0	-8.87609 ± 0.28330	0.38578	-4.2
2011 202.0 to 2011 302.0	-9.19852 ± 0.20787	0.06335	-0.7
2011 236.0 to 2011 336.0	-9.27067 ± 0.18214	-0.00880	0.1
2011 270.0 to 2012 5.0	-9.17385 ± 0.13023	0.08802	-1.0
2011 304.0 to 2012 39.0	-8.82433 ± 0.12024	0.43754	-4.7

Tidal comparison M2				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 12.0 to 2009 112.0	7.23 ± 0.07	6.1 ± 0.6	0.01	0.1
2009 36.0 to 2009 136.0	7.17 ± 0.07	5.6 ± 0.6	0.09	1.3
2009 60.0 to 2009 160.0	7.19 ± 0.05	5.9 ± 0.4	0.05	0.7
2009 84.0 to 2009 184.0	7.18 ± 0.04	6.3 ± 0.3	0.06	0.8
2009 108.0 to 2009 208.0	7.19 ± 0.04	6.2 ± 0.3	0.05	0.6
2009 132.0 to 2009 232.0	7.24 ± 0.03	6.5 ± 0.2	0.05	0.7
2009 156.0 to 2009 256.0	7.24 ± 0.03	6.6 ± 0.2	0.06	0.8
2009 180.0 to 2009 280.0	7.30 ± 0.04	6.7 ± 0.3	0.10	1.4
2009 204.0 to 2009 304.0	7.34 ± 0.04	7.1 ± 0.3	0.16	2.3
2009 228.0 to 2009 328.0	7.36 ± 0.05	6.9 ± 0.4	0.16	2.2
2009 252.0 to 2009 352.0	7.27 ± 0.06	7.6 ± 0.5	0.19	2.6
2009 286.0 to 2010 21.0	7.26 ± 0.07	7.3 ± 0.6	0.15	2.1
2009 320.0 to 2010 55.0	7.12 ± 0.07	8.5 ± 0.6	0.32	4.4
2009 354.0 to 2010 89.0	7.17 ± 0.06	6.8 ± 0.5	0.11	1.5
2010 23.0 to 2010 123.0	7.15 ± 0.06	6.4 ± 0.5	0.09	1.3
2010 57.0 to 2010 157.0	7.25 ± 0.07	6.0 ± 0.6	0.02	0.3
2010 91.0 to 2010 191.0	7.24 ± 0.07	5.8 ± 0.6	0.04	0.6
2010 125.0 to 2010 225.0	7.26 ± 0.07	6.1 ± 0.6	0.03	0.4
2010 159.0 to 2010 259.0	7.20 ± 0.04	5.6 ± 0.3	0.07	1.0
2010 193.0 to 2010 293.0	7.27 ± 0.04	5.9 ± 0.3	0.05	0.6
2010 227.0 to 2010 327.0	7.28 ± 0.06	5.6 ± 0.5	0.08	1.1
2010 261.0 to 2010 361.0	7.40 ± 0.06	6.5 ± 0.5	0.17	2.4
2010 295.0 to 2011 30.0	7.51 ± 0.09	6.1 ± 0.7	0.28	3.8
2010 329.0 to 2011 64.0	7.40 ± 0.07	6.8 ± 0.5	0.19	2.6
2010 363.0 to 2011 98.0	7.21 ± 0.08	5.6 ± 0.6	0.07	1.0
2011 32.0 to 2011 132.0	7.10 ± 0.09	5.8 ± 0.7	0.14	1.9
2011 66.0 to 2011 166.0	7.00 ± 0.09	4.8 ± 0.7	0.29	4.0
2011 100.0 to 2011 200.0	7.13 ± 0.09	5.0 ± 0.7	0.18	2.4
2011 134.0 to 2011 234.0	7.14 ± 0.16	4.6 ± 1.3	0.21	2.9
2011 168.0 to 2011 268.0	7.32 ± 0.15	4.1 ± 1.2	0.27	3.7
2011 202.0 to 2011 302.0	7.31 ± 0.14	5.6 ± 1.1	0.10	1.4
2011 236.0 to 2011 336.0	7.23 ± 0.15	5.9 ± 1.2	0.03	0.4
2011 270.0 to 2012 5.0	7.24 ± 0.13	6.5 ± 1.0	0.05	0.7
2011 304.0 to 2012 39.0	7.26 ± 0.16	4.4 ± 1.3	0.22	3.0

Tidal comparison OI				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 12.0 to 2009 112.0	6.90 ± 0.13	78.3 ± 1.1	0.57	9.0
2009 36.0 to 2009 136.0	6.68 ± 0.14	77.5 ± 1.2	0.42	6.6
2009 60.0 to 2009 160.0	6.55 ± 0.10	77.8 ± 0.9	0.30	4.7
2009 84.0 to 2009 184.0	6.71 ± 0.09	78.8 ± 0.8	0.38	5.9
2009 108.0 to 2009 208.0	6.67 ± 0.09	79.4 ± 0.8	0.32	5.0
2009 132.0 to 2009 232.0	6.70 ± 0.07	79.4 ± 0.6	0.35	5.5
2009 156.0 to 2009 256.0	6.69 ± 0.07	78.4 ± 0.6	0.37	5.9
2009 180.0 to 2009 280.0	6.73 ± 0.08	78.0 ± 0.7	0.43	6.8
2009 204.0 to 2009 304.0	6.58 ± 0.09	77.6 ± 0.8	0.34	5.3
2009 228.0 to 2009 328.0	6.78 ± 0.11	77.6 ± 0.9	0.50	7.8
2009 252.0 to 2009 352.0	6.36 ± 0.13	81.7 ± 1.2	0.21	3.3
2009 286.0 to 2010 21.0	6.47 ± 0.15	82.1 ± 1.3	0.28	4.4
2009 320.0 to 2010 55.0	6.22 ± 0.15	83.4 ± 1.4	0.42	6.5
2009 354.0 to 2010 89.0	6.52 ± 0.13	80.4 ± 1.1	0.18	2.8
2010 23.0 to 2010 123.0	6.31 ± 0.13	82.3 ± 1.2	0.28	4.4
2010 57.0 to 2010 157.0	6.45 ± 0.16	82.1 ± 1.4	0.27	4.3
2010 91.0 to 2010 191.0	6.61 ± 0.16	81.7 ± 1.4	0.33	5.3
2010 125.0 to 2010 225.0	6.47 ± 0.17	80.0 ± 1.5	0.12	1.9
2010 159.0 to 2010 259.0	6.29 ± 0.09	78.5 ± 0.8	0.16	2.5
2010 193.0 to 2010 293.0	6.26 ± 0.10	77.4 ± 0.9	0.28	4.4
2010 227.0 to 2010 327.0	6.21 ± 0.14	79.1 ± 1.3	0.16	2.6
2010 261.0 to 2010 361.0	6.18 ± 0.14	79.8 ± 1.3	0.17	2.7
2010 295.0 to 2011 30.0	6.05 ± 0.20	80.3 ± 1.9	0.31	4.8
2010 329.0 to 2011 64.0	6.13 ± 0.16	82.3 ± 1.5	0.35	5.5
2010 363.0 to 2011 98.0	6.11 ± 0.16	83.8 ± 1.5	0.50	7.8
2011 32.0 to 2011 132.0	6.17 ± 0.19	84.3 ± 1.8	0.52	8.2
2011 66.0 to 2011 166.0	6.11 ± 0.21	82.3 ± 2.0	0.36	5.7
2011 100.0 to 2011 200.0	5.95 ± 0.20	79.0 ± 1.9	0.41	6.5
2011 134.0 to 2011 234.0	5.92 ± 0.36	77.5 ± 3.5	0.50	7.9
2011 168.0 to 2011 268.0	5.88 ± 0.34	78.8 ± 3.3	0.49	7.6
2011 202.0 to 2011 302.0	5.99 ± 0.31	81.9 ± 3.0	0.43	6.7
2011 236.0 to 2011 336.0	5.86 ± 0.35	82.9 ± 3.4	0.59	9.3
2011 270.0 to 2012 5.0	5.86 ± 0.31	81.1 ± 3.0	0.51	8.1
2011 304.0 to 2012 39.0	5.79 ± 0.36	80.5 ± 3.6	0.57	8.9

Tidal comparison K1				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 12.0 to 2009 112.0	11.11 ± 0.55	-135.7 ± 2.8	2.25	24.8
2009 36.0 to 2009 136.0	11.17 ± 0.59	-135.9 ± 3.0	2.29	25.2
2009 60.0 to 2009 160.0	11.28 ± 0.43	-135.8 ± 2.2	2.40	26.4
2009 84.0 to 2009 184.0	9.60 ± 0.37	-125.6 ± 2.2	2.56	28.3
2009 108.0 to 2009 208.0	9.97 ± 0.37	-132.4 ± 2.1	1.69	18.7
2009 132.0 to 2009 232.0	9.63 ± 0.29	-138.2 ± 1.7	0.73	8.0
2009 156.0 to 2009 256.0	7.85 ± 0.28	-141.8 ± 2.0	1.22	13.5
2009 180.0 to 2009 280.0	8.15 ± 0.34	-139.3 ± 2.4	0.95	10.5
2009 204.0 to 2009 304.0	7.22 ± 0.36	-148.1 ± 2.9	2.10	23.1
2009 228.0 to 2009 328.0	7.46 ± 0.46	-149.0 ± 3.5	1.97	21.7
2009 252.0 to 2009 352.0	10.12 ± 0.51	-152.9 ± 2.9	2.24	24.7
2009 286.0 to 2010 21.0	7.95 ± 0.62	-152.5 ± 4.5	2.03	22.4
2009 320.0 to 2010 55.0	12.17 ± 0.61	-141.0 ± 2.9	3.10	34.2
2009 354.0 to 2010 89.0	9.76 ± 0.54	-153.5 ± 3.2	2.15	23.8
2010 23.0 to 2010 123.0	10.72 ± 0.52	-135.7 ± 2.8	1.89	20.9
2010 57.0 to 2010 157.0	12.02 ± 0.66	-139.6 ± 3.1	2.96	32.7
2010 91.0 to 2010 191.0	8.89 ± 0.65	-132.6 ± 4.2	1.33	14.7
2010 125.0 to 2010 225.0	9.87 ± 0.68	-133.2 ± 3.9	1.52	16.8
2010 159.0 to 2010 259.0	8.09 ± 0.38	-135.2 ± 2.7	1.31	14.5
2010 193.0 to 2010 293.0	7.55 ± 0.40	-156.1 ± 3.0	2.65	29.2
2010 227.0 to 2010 327.0	6.81 ± 0.56	-134.0 ± 4.7	2.46	27.1
2010 261.0 to 2010 361.0	10.18 ± 0.59	-152.8 ± 3.3	2.26	24.9
2010 295.0 to 2011 30.0	8.99 ± 0.82	-145.7 ± 5.2	0.74	8.1
2010 329.0 to 2011 64.0	9.53 ± 0.65	-140.7 ± 3.9	0.47	5.1
2010 363.0 to 2011 98.0	10.47 ± 0.67	-140.6 ± 3.7	1.40	15.5
2011 32.0 to 2011 132.0	10.81 ± 0.79	-142.1 ± 4.2	1.75	19.3
2011 66.0 to 2011 166.0	9.71 ± 0.85	-131.3 ± 5.0	1.72	19.0
2011 100.0 to 2011 200.0	11.42 ± 0.82	-134.5 ± 4.1	2.62	28.9
2011 134.0 to 2011 234.0	6.83 ± 1.50	-145.2 ± 12.6	2.31	25.5
2011 168.0 to 2011 268.0	6.99 ± 1.38	-138.4 ± 11.3	2.11	23.3
2011 202.0 to 2011 302.0	7.87 ± 1.28	-146.2 ± 9.3	1.42	15.6
2011 236.0 to 2011 336.0	6.90 ± 1.43	-153.0 ± 11.9	2.72	30.0
2011 270.0 to 2012 5.0	9.40 ± 1.25	-152.3 ± 7.6	1.84	20.3
2011 304.0 to 2012 39.0	10.70 ± 1.44	-143.6 ± 7.7	1.69	18.6

Tidal comparison S2				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 12.0 to 2009 112.0	2.56 ± 0.29	89.1 ± 6.5	0.50	24.4
2009 36.0 to 2009 136.0	2.13 ± 0.29	103.0 ± 7.8	0.45	21.7
2009 60.0 to 2009 160.0	1.79 ± 0.21	95.8 ± 6.7	0.32	15.4
2009 84.0 to 2009 184.0	1.83 ± 0.17	91.0 ± 5.3	0.23	11.2
2009 108.0 to 2009 208.0	2.24 ± 0.17	81.6 ± 4.3	0.39	18.9
2009 132.0 to 2009 232.0	1.65 ± 0.13	71.2 ± 4.5	0.75	36.5
2009 156.0 to 2009 256.0	1.83 ± 0.12	88.7 ± 3.8	0.24	11.8
2009 180.0 to 2009 280.0	1.95 ± 0.14	97.7 ± 4.1	0.26	12.8
2009 204.0 to 2009 304.0	1.96 ± 0.16	94.4 ± 4.7	0.16	7.8
2009 228.0 to 2009 328.0	1.60 ± 0.20	94.7 ± 7.2	0.48	23.1
2009 252.0 to 2009 352.0	2.83 ± 0.24	104.1 ± 4.9	0.95	46.0
2009 286.0 to 2010 21.0	1.82 ± 0.28	70.8 ± 8.8	0.72	34.8
2009 320.0 to 2010 55.0	2.55 ± 0.27	107.1 ± 6.1	0.81	39.3
2009 354.0 to 2010 89.0	2.40 ± 0.24	86.2 ± 5.7	0.38	18.6
2010 23.0 to 2010 123.0	2.05 ± 0.23	102.4 ± 6.4	0.41	20.0
2010 57.0 to 2010 157.0	2.53 ± 0.27	102.2 ± 6.1	0.65	31.5
2010 91.0 to 2010 191.0	2.36 ± 0.27	71.5 ± 6.6	0.80	38.8
2010 125.0 to 2010 225.0	2.08 ± 0.28	82.3 ± 7.7	0.31	15.0
2010 159.0 to 2010 259.0	1.83 ± 0.16	85.0 ± 5.0	0.31	14.8
2010 193.0 to 2010 293.0	2.14 ± 0.17	88.2 ± 4.6	0.13	6.1
2010 227.0 to 2010 327.0	1.80 ± 0.23	91.0 ± 7.3	0.26	12.7
2010 261.0 to 2010 361.0	1.61 ± 0.25	101.5 ± 8.9	0.56	27.3
2010 295.0 to 2011 30.0	1.88 ± 0.35	99.8 ± 10.7	0.36	17.3
2010 329.0 to 2011 64.0	2.42 ± 0.28	93.3 ± 6.6	0.37	18.0
2010 363.0 to 2011 98.0	2.44 ± 0.30	96.2 ± 7.0	0.43	21.0
2011 32.0 to 2011 132.0	2.12 ± 0.33	85.7 ± 8.9	0.20	9.6
2011 66.0 to 2011 166.0	2.44 ± 0.36	82.3 ± 8.5	0.51	24.5
2011 100.0 to 2011 200.0	2.17 ± 0.35	93.2 ± 9.2	0.14	6.7
2011 134.0 to 2011 234.0	1.80 ± 0.63	73.6 ± 20.1	0.63	30.8
2011 168.0 to 2011 268.0	2.10 ± 0.58	74.0 ± 15.8	0.61	29.7
2011 202.0 to 2011 302.0	1.71 ± 0.53	105.3 ± 17.8	0.59	28.5
2011 236.0 to 2011 336.0	2.42 ± 0.60	105.4 ± 14.2	0.67	32.5
2011 270.0 to 2012 5.0	1.22 ± 0.52	90.5 ± 24.4	0.84	40.8
2011 304.0 to 2012 39.0	2.93 ± 0.67	84.2 ± 13.1	0.91	44.4